PERNRV IDDRGFRYSDKR DEXTRNWRNLI QERFPPHHL.	HLSS.PLPLT ELEK.FAEYS KLNS.QARLS KLSS.RAVIN KLAT.PARFS RLHQ.PVVLT QLKSDSSRCA	ISNDVCNGAD INQTTCEN ISPQDCTKV. LSQAKCEAS. LSNAECKKS. NTQDCLQQSR YPSSRCTSQH
DWVLTAAHCF NWLVSAAHCY RWVLTAAHC. QWVVSAGHC. DQVVTAAHC. IWVVSAAHCF CWILSAAHCF	EENSNDIALV DYDIALL HVNDLMLV LNNDIMLI VNNDITLL GTTNHDIALL DNDIALL	GVLQEAAVPI LILQKGEIRV SDLMCVDVKL DELQCLDAPV DKLQQAALPL ELMVLNVPRL
HLCGGSLLSG HICGASLISP H.CGGVLVNE .CGGSLINE HFCGGSLISE QLCGGTLINT FLCGGILISS	GYLPFRDPNS SHPFFNDFTF RHPGYSTQT. RHPQYDRKT. KNPKFSILT. PSTYVP	NTQYYGQQ.A HTQYGGTG.A TTTSPDVTFP NTASSGADYP KTKYNANKTP QLLDRGATAL KHEALSPFYS
RYDG.A HALGQG NSGYHF QDKTGF LVNG.A AKHRRSPGER	LGVQAVVYHG VQERRLKRII AQRIKASKSF EQFINAAKII IQVLKIAKVF QSRRVAQVII EQKFEVEKYI	GKICTVTGWG GKAIWVTGWG GTTCTVSGWG GTKCLISGWG GTLCATTGWG VRFSLVSGWG
GRWPWQVSL. GEWPWQVSL. GSHPWQVAL. NSVPYQVSL. GSWPWQVSL. GECPWQVLL.	VAQASPHGLQ HDQSQRSAPG DTLGDR.R HNIEVLEG.N FDQGSDEE.N HDLSEHDGDE	AGQALVD ASHVFPA RCEPP APPAT ADDDFPA RTFSERTLAF LPPADLQLPD
RIVGGRDTSL RVVGGTDADE KIIDGAPCAR KIVGGYNCEE RIVNGEDAVP RIVGGKVCPK	LSRWRVFAGA PTWETAFLHL MNEYTVHLGS KSRIQVRLGE RTSDVVVAGEAVLGE	EYIQPVCLPA SMVRPICLPD SMVKKVRLPS ARVSTISLPT QTVSAVCLPS DHVVPLCLPE QESSVVRTVC
Heps Tadg15 Scce Try Chymb Fac7 Tpa	Heps Tadg15 Scce Try Chymb Fac7 Tpa	Heps Tadg15 Scce Try Chymb Fac7 Tpa

Fig. 1A

GVYTQVCKFT GVYTKVYNYV GVYARVTKLI GVYTRVSQYI

DSTCS.TSSP

Q.GCATVGHF

Fac7

Chymb

GVYTKVTNYL

. LGCGQKDVP

Tpa

(9

(SEQ

OI OI

SEQ SEQ

.. .. .. .. .. ..

ID

(SEQ

ΠD

SEQ

..HATHYRGT CLN....DGR

NMLCAGDTRS

GVYTKVSDFR GVYTRLPLFR

T.GCALAQKP D.GCAQRNKP

Heps

TFPCGQPNDP D.GCAQKNKP

 $\operatorname{Tr} y$ 

Tadg15 Scce

YMFCAGYSDG

C....M.... C....QKDGA :0N

ID

SEQ SEQ

.. 0N

ID

CQGDSGGPFV CEDSISRTPR WRLCGIVSWG

..ssveadgr

CNGDSGGPLV

CQGDSGGPL.

G....IDA

KMFCAGYPEG

FYGN..QIKP

Heps Tadg15

LLPQ..QITP

RMMCVGFLSG

SMLCAGIPDS

NMFCVGFLEG VMICAG..AS

> .WGR..RITD KVGDSPNITE LLNRT..VTD

> > Fac7

Chymb

Tpa

YKD. LLEN. YPG. KITS

Try

Scce

G....VDS K....KNA

IFQAGVVSWG GTLQGLVSWG GQLQGVVSWG WTLVGIVSWG WYLTGIVSWG

	18		13		89		93		118		143		168		193		218		243
CC	A 1	AA	7 N	GT		TA	δ <b>ί</b>	AG	S	GT	\ \	GA	ы 	GT		CI	H	Đ);	M M
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SCCG	Д	TTC	ſъ	ATC	Н	AAG	X	TTT	Щ	CAC	H	CAG	РО	CTC	口	AGC	Ŋ	TAC	Ъ
GGAGCGATCGGGCCCGCAAGGGCGGGGGGGCCCCGAAGGACTTCGGCGC	Ŋ	AGAAAGTGAATGGCTTGGAGGAAGGCGTGGAGTTCCTGCCAGTCAACAA	田	CGGGGCGCTGGGTGCTGGCAGCCGTGCTGATCGGCCTCCTCTTGGT	AVLIGL	GGCATTTGCAGTACCGGGACGTGCGTGTCCAGAAGGTCTTCAATGGCTA	R V Q K V F	rga@	曰	TGTACAGCGGAGTCCCATTCCTGGGCCCCTACCACAAGGAGTCGGCTGT	Ъ	TCGCCTACTACTGGTCTGAGTTCAGCATCCCGCAGCACCTGGTGGAGGA	Д	GCGTAGTCATGCTGCCCCCCGCGGCGCGCTCCCTGAAGTCCTTTGTGGT	W	ACTCCAAAACAGTACAGAGGACCCAGGACAACAGCTGCAGCTTTGGCCT	N Q	GCTTCACCACGCCCGGCTTCCCTGACAGCCCCTACCCCGCTCATGCCCG	
\GGG	K G G G	GTC	E G V E	GTG		rGTC	>	CAC	H	CCC	Д	CAT	S H	3CG(	以	3GA(	Д	CAG	Ŋ
CGG7	Ŋ	4GG(	ტ	4GC(		3CG.	凶	CTC	Ŋ	3GG(	L G	CAG	W	3GC(	Ø	CCA	Q	rga(	Д
399(	ტ	3GA	曰	3GC	RWVVLA	CGT(	L Q Y R D V	CAA(	Z	CCT		GTT.	ш	GCG(	ద	GAC(	R	CCC	д
CAA(	저	GGA(	ы	GCT(	니	GGA(	О	CTC	W	ATT	G V P F	TGA	ы	CCC	Д	GAG		CTT	凶
CCG	召	CTT	V N G L	GGT(		CCG	ద	GAA	ы Ы	CCC	Д	GTC	Ŋ	GCC	Д	ACA	Q V T	CGG	ტ
GGC	Ą	TGG	Ö	GGT		GTA	×	CGA	田	AGT	>	CTG	X X	GCT	M	AGT	>	CCC	Д
TCG	以	GAA	Z	CTG	3	GCA	Q	CTA	X	CGG	ტ	CTA	×	CAT	Z	AAC	H	CAC	H
CGA	Д	AGT	>	BOB	ద	TTT	Ы	TGC	Ø	CAG	Ŋ	CTA	×	AGT	ΛΛ	CAA	X	CAC	H
GAG	Ŋ	GAA	ĸ	GGG	Ŋ	GCA	田	GGA	Д	GTA	×	CGC	Ø	CGT	>	CTC	ഗ	CTT	ტ
99	Ŋ		口	CCC	Д	GTG	M	TGT	>		니	CAT	Н	g G C G	ద	GGA	T D	GCG	ద
CAT	Σ	GCA	出	TGG	ტ	GGT	Þ	TTT	ഥ	GCT	K L L	CGI	$\triangleright$	GGA	Ħ	CAC		'GAT	$\boxtimes$
TAC		CCG	껖	GCA	Ħ	CCT	ᄓ	GAA	N	GAA		CAG	ß	CGA	臼	اددد	д	GCT	니
GGG		CTC	W	AAA	X	CTT	ഥ	TGA	臼	;GCT	Н	Sego	ტ	GGC	Ą	TTT	ĮΞι	GGA	闰
TCG		CAA	Z	GGA	Щ	CGG	ß	AAA.	Z	CGC	Ø	CGA	Щ	CAT	Z	JGGC	Ø	TGI	$\triangleright$
CCC		GTA	×	GGI	>	GAT	H	CAC	[-	GGA	Ω	יכאק.	ß	CGI	R V M	GGI	>	3CGG	Ŋ
9091		CAA	L K Y N	GAA	V K K V E K H G P	JGGG	L L G I G F L V W	GAT	R I T N	GAA	K V K D A L	GACGGCCTTCAGCGAGGGCAGCGTCA	TAFSEGSVI	\GC@	ద	AGT	S V V A	SCC	A R G V E
AGA		ACT	Ц	CAA	ĸ	JGCT	L	'GAG	ద	\GGT	>	ggg	ø	CGZ	臼	CTC		\CG(	
1 rcaagaggggccrcgggggfaccargg		76 GGGACTCAAGTACAACTCCCGGCACG	ტ	CGTCAAGAAGGTGGAAAAGCATGGCC	>	CTJ	IJ	CAI	Z	CAZ	×		H	GGC	Ø	CAC	H	GC7	H
$\vdash$		16		151		226 CTTGCTGGGGATCGGCTTCCTGGTGT		301 CATGAGGATCACAAATGAGAATTTTGTGGATGCCTACGAGAACTCCAACTCCACTGAGTTTGTAAGCCTGGCCAG		376 CAAGGTGAAGGACGCGCTGAAGCTGC		451		526 GGCCGAGCGCGTCATGGCCGAGGAGC		601 CACCTCAGTGGTGGCTTTCCCCCACGG		676 GCACGCCGCGGTGTGGAGCTGATGC	

Fig. 2A

718 899 693 618 643 518 543 568 593 CCCCACGCAGTGGACGGCCTTCCTGGGCTTGCACGACCAGAGCCAGCGCAGCGCCCCTGGGGGTGCAGGAGCGCAG CAAACACACCTACCGCTGCCTCAATGGGCTCTGCTTGAGCAAGGGCAACCCTGAGTGTGACGGGAAGGAGGACTG TAGCGACGGCTCAGATGAGAAGGACTGCGACTGTGGGCTGCGGTCATTCACGAGACAGGCTCGTGTTGTTGGGGG CACGGATGCGGATGAGGGCGAGTGGCCCTGGCAGGTAAGCCTGCATGCTCTGGGCCCAGGGCCACATCTGCGGTGC TTCCCTCATCTCTCCCAACTGGCTGGTCTCTGCCGCACACTGCTACATCGATGACAGAGGATTCAGGTACTCAGA GCTCAAGCGCATCATCTCCCACCCCTTCTTCAATGACTTCACCTTCGACTATGACATCGCGCTGCTGGAGCTGGA GTGCAATGGGAAGGACGACTGTGGGGACGGGTCCGACGAGGCCTCCTGCCCCAAGGTGAACGTCGTCACTTGTAC GTTCACGTGCAAGAACAAGTTCTGCAAGCCCCTCTTCTGGGTCTGCGACAGTGTGAACGACTGCGGAGAACAACAA CGACGAGCAGGGGTGCAGTTGTCCGGCCCAGACCTTCAGGTGTTCCAATGGGAAGTGCCTCTCTCGAAAAGCCAGCA G Ø Ω 召 [L] C 又 Ŋ ပ Ö ĸ Ц r ŋ Ø Д S Z U 曰 H 闰 Ŋ  $\gt$  $\triangleright$ Д 闰 Ы > Ø ×  $\triangleright$ Н 召 Ċ K > > Ы ĸ 田 Ŋ Ŋ Ö щ 山 Ø ტ ď Ц Z Д Ŋ ᠐  $\gt$ Д Д > Ŏ U Ø Н Ö 召 口 Z K Ø 껁 <u>a</u> X U 回 Д Ŋ > Д Ŋ × ŋ Д 口 Д Н Ø ഗ ט ĸ Н Ω Z Z ഥ Ø Д О Ø Ŋ ഗ Ŋ × W 田 Щ Д C ø ഗ 吆 บ ᆸ Н K Ö Ц  $\gt$ E Ø ĸ Ы 闰 Ŋ Ŋ  $\mathcal{O}$ ഥ 3 Д Ą ტ Д Ы  $\gt$ Д ഥ Н ᄺ 田 Ø Ŋ ပ H Ŋ Ø Z Д Ы Ø Д 니 Ц Ŋ ſΞι G 3 ĸ Д Ø ט Ü ŋ Д > Д щ ×  $\triangleright$ Ц Д Ω Ц Z Д U ᠐ Z  $\Sigma$ Ö П ഥ K Z 耳 U 口 വ щ ഗ ď Z 闰 Д Ö Ŋ Ŋ ¥ Ŋ ט Д Е ద Д Н 国 Д Z  $\succ$ Ċ Ŋ ഗ 3 Н × Д X K 闰 Ø Н Ø 召 ပ Н Ü Ü Ø Þ ᆸ Н × Д ĮΉ Ή Д Z Д Ω Д Ы M Ŋ Ŋ K 2026 2176 1876 2101 1576 1726 1801 1951 1501 1651

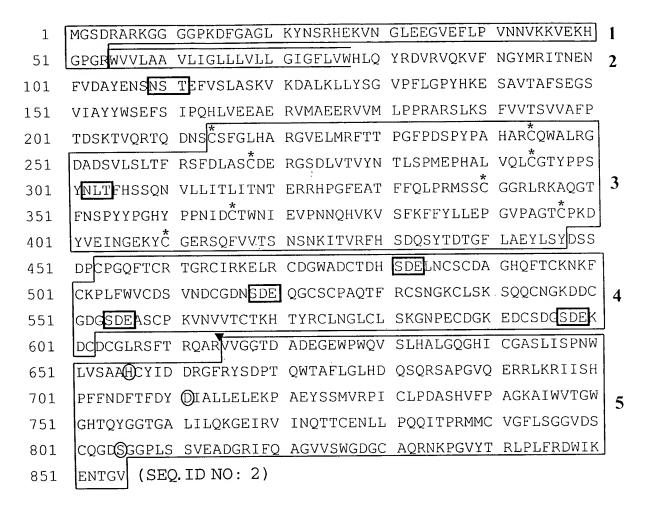
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GGT(	ე	GTG(	>	GGG	ტ	AGG	K	CTG		מממ	CAA	CAC	AGC	CAC	TCC	AAA	ID
AAG	X	TGC	U	GAT	Д	ACA	E	CAC		CGC	CTC	AAGA	BAGC	3990	SAGC	AAAA	SEQ
SCAP	Q	BATG	Σ	3600	Ą	GTAC	×	TGT?		CCAC	CAGO	TTG2	AAGO	CTT(	TAC	AAAA	<u></u>
CCT	IJ	CAT	M	'GGA(	田	CGT	>	ATG	(SEQ ID NO: 2)	GCA	CCT	GGT	TGL	3GCC	TLL	AAA	
'GAT	Н	:GCG	ద	CGI	$\triangleright$	'AGG	ט	CAA	NO:	ACT	CTT	AAA	GTC	JGGG	TTG	AAA	
GCT	Ы	GCC	Д	CAG	Ŋ	CCC	Д	ACC	ID	CTG	TCG	3990	CCC	TGJ	3AA2	$\Gamma \Gamma \Gamma P$	
CGC	Ø	CAC	H	GTC	ß	CAA	ĸ	3900	EQ	CCG	CTC	1966	CTCC	3660	CTC	TTT	
TGG	Ŋ	GAT	Н	CCI	IJ	3GA2	Z	GGG	01	rgg2	AAAC	AACJ	rgcc	CTC	3AG2	PTT(	
CAC	$\vdash$	GCA	Ø	ACC	Д	GAG	以	3GCC		ACT	GAZ	CCZ	TCI	GAJ	CTO:	יTAT.	
AGG	ტ	GCA	Ø	GGG	വ	TCA	Ŏ	999		GAG	CTZ	GAC	ATZ	CCC	;GG1	ATT	
TGG	Ŋ	GCC	Д	CGG	വ	CGC	Ø	ATA		CTG	TGC	ACT	TGI	CTC	ACG	ACZ	
GTA	$\succ$	CCT	Ы	TTC	(N	) [5]	υ	GGT	>	AGG	ATC	TCI	TTG	GGG	CAG	AAA	
CCA	Ø	CCT	Ц	TGA	Д	CGG	ט	TGG	Ü	TGC	CAA	GGI	CGI	GTG	AAA	GGI	
CAC	⊱	GAA	Z	GGG	ტ	AGA	Ω	CAC	N T G V	CCC	CTC	GGT	GCG	GTG	GGA	ATG	
ACA	H	CGA	田	CCA	Ø	GGG	Ŋ	GAA	Z	CAC	GGG	ACT	GAG	AAG	CCT	TAA	
GGG	ტ	CTG	Ŋ	CTG	ပ	CTG	M	AGA	Щ	GTG	CCA	GAC	GCC	GTG	GAC	GTG	
CTG	Z	CAC	Ę	CIC	വ	GAG	W	CAA	×	AGT	TCT	GAG	TGG	TCA	GAG	TTT	
GGG	A I W V T G W G	GAC	R V I N Q T T C	GGA	L S G G V D S C	GGT	F Q A F C C	GAT	R D W I	CCC	CAA	999	AGC	CL	TCG	'GTA	
CAC	EI	CCA	Ø	CGT	$\triangleright$	TGT	ပ	CTG	M	CAC	ACT	GAA	CCA	CCC	GGC	TGI	
GGT	$\triangleright$	CAA	z	CGG	G	CGG	ഥ	GGA	Д	GTC	TGA	GTA	CCC	GGA	CCA	GTG	
CTG	M	CAT	Н	CGG	ന	GGC	Ø	TCG	ద	ATC	CTG	GAG	CCA	$\mathrm{TTC}$	AGC	TCA	
CAT	Н	CGT	$\triangleright$	CAG	ഗ	CCA	ŏ	GTT	Щ	CCC	ACA	TGG	CCG	AGC	GGA	ACT	
GGC	Ø	CCG	ĸ	CCT	Ц	CTT	Щ	TCT	Ы	CCA	CAT	AGC	CCC	CGG	$\operatorname{TGA}$	TGG	
251		326		401		476		551		626	701	9775	851	3926	3001	3076 TGGACTTCAGTGTGTGTTTTGTGTAAATGGGTAAAACAATTTTTTTT	

Fig. 2D

: CONSERVED AMINO ACIDS OF CATALYTIC TRIAD H, D, S

: KOZAK'S CONSENSUS SEQUENCE

TRANSMEMBRANE DOMAIN



: Conserved cysteine residue

NXT: Possible N-linked glycosylation site

SDE : Conserved SDE motif

: Potential cleavage site

: Conserved amino acids of catalytic triad H, D, S

- 1. Cytoplasmic domain
- 2. Transmembrane domain
- 3. CUB repeat
- 4. Ligand-binding repeat (class A motif) of LDL receptor like domain
- 5. Serine protease

Fig. 3

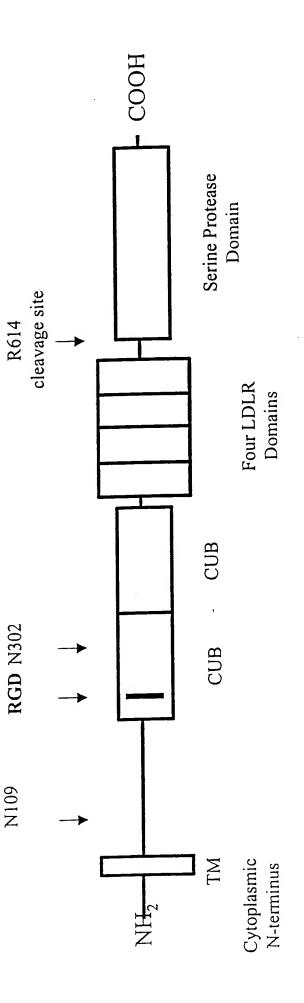
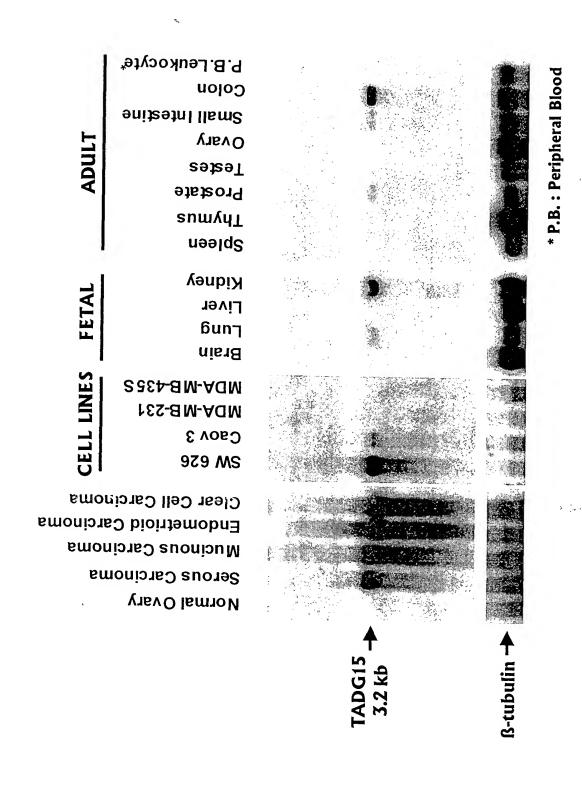
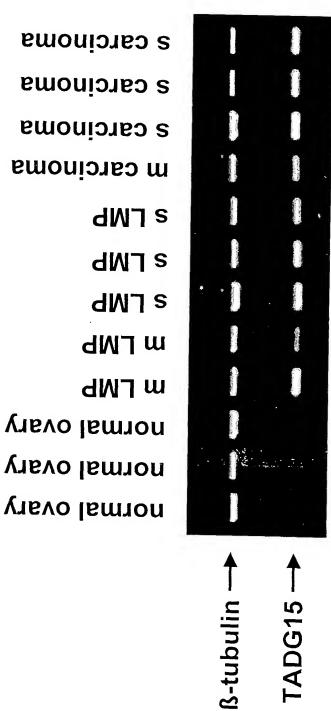
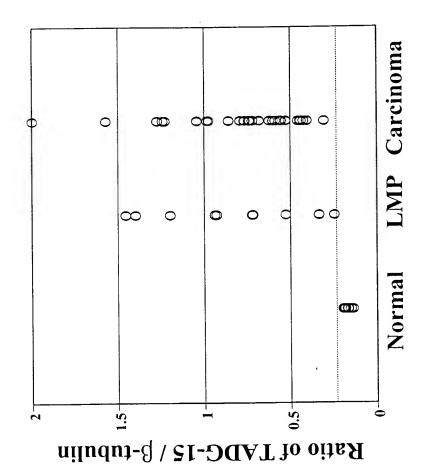


Fig. 4





normal ovary normal ovary



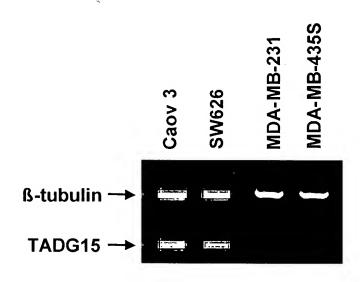


Fig. 7

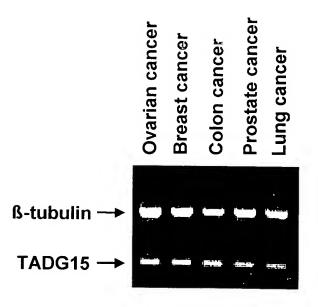


Fig. 8

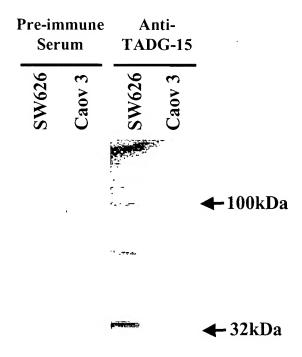


Fig. 9

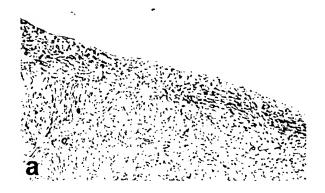


Fig. 10A



Fig. 10B



Fig. 10C



Fig. 10D

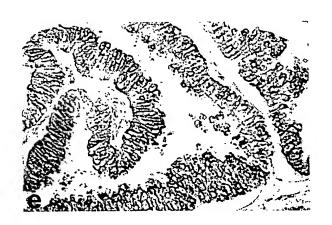


Fig. 10E

902				NO: 2 NO: 10	SEQ ID N HP SEQ ID N	hradgis æpithin
900	PPQHNPDCEL	NTDDIYAVAS	PDMHTWIQER NTDDIYAVAS	ENTGV* RAHWGIAAWT DSRPQTPTGM	ENTGV* RAHWGIAAWT	hTADG15 nEpithin
850	RLPLFRDWIK CSSGLDQ	SVEADGRIFQ AGVVSWGDGC AQRNKPGVYT -A-KME	AGVVSWGDGC	SVEADGRIFQ -A-KM	CQGDSGGPLS	hTADG15 mEpithin
800	VGFLSGGVDS	PQQITPRMMC	INQTICENLL	LILQKGEIRV	GHTQYGGTGA KE	hTADG15 mEpithin
750	AGKAIWVTGW 750	CLPDASHVFP	AEYSSMVRPI VTV	DIALLELEKP	PFENDETEDY -S	hTADG15 mEpithin
700	ERRLKRIISH -LKT-	QSQRSAPGVQ KS	OWTAFIGLHD ML-	DRGFRYSDPT -KN-KY-	LVSAAHCYID FQ-	hTADG15 mEpithin
650	CGASLISPNW	SLHALGQGHI	ADEGEWPWQV	RQARVVGGTD KN	DCDCGLRSFT N	hTADG15 mEpithin
600	EDCSDGSDEK T	TYRCLNGLCL SKGNPECDGK	TYRCLNGLCL	GDGSDEASCP KVNVVTCTKH D SY	GDGSDEASCP	hTADG15 mEpithin
550	SQQCNGKDDC KN-	QGCSCPAQTF RCSNGKCLSK SQQCNGKDDC EGS- KPQKN-	QGCSCPAQTF EGS-	CKPLFWVCDS VNDCGDNSDE	CKPLFWVCDS	hrang15 mEpithin
500	GROFICKNKF TQ-	DPCPGQFTCR TGRCIRKEIR CDGWADCTDH SDEINCSCDA M-M-KP-YRY-R-N-	CDGWADCTDH	TGRCIRKELR	DPCPGQFTCR M-M-K	hrangis mEpithin

381 AGAAGGTCTTCAATGGCTACATGAGGATCACAAATGAGAATTTTTGTGGATGCCTACGAGAACTCCAACTCCACTGAGTTTGTAAGCCTGGCCAGCAAGGT 282

101 AGAAGGTCTTCAATGGCTACATGAGGATCACAAATGAGAATTTTTGTGGATGCCTACGAGAACTCCAACTCCACTGAGTTTGTAAGCCTGGCCAGCAAGGT 200 

481 201 GAAGGACGCGCTGAAGCTGCTGTACAGCGGAGTCCCATTCCTGGGCCCCTACCACAAGGAGTCGGCTGTGACGGCCTTCAGCGAGGGCAGCGTCATCGCC 300 GAAGGACGCGCTGAAGCTGCTGTACAGCGGAGTCCCATTCCTGGGCCCCTACCAAGGAGTCGGCTGTGACGGCCTTCAGCGAGGGCAGCGTCATCGCC 

382

681 CCCTGAAGTCCTTTGTGGTCACCTCAGTGGTGGCTTTTCCCCACGGACTCCAAAACAGTACAGACCACCCAGGACAACAGCTGCAGCTTTGGCCTGCACGC 

400 CCCTGAAGTCCTTTGTGGTCACCTCAGTGGTGGCTTTCCCCACGGACTCCAAAACAGTACAGAGGACCCAGGACAACAGCTGCAGCTTTGGCCTGCACG. 498

682 499	2 CCGCGGTGTGGAGCTGATGCGCTTCACCACGCCTTCCCTGACAGCCCCTACCCCGCTCATGCCCGGCTGCCAGTGGGCCCTGCGGGGGACGCCGAC 781
782 593	782 TCAGTGCTGAGCCTCACCTTCCGCAGCTTTGACCTTGCGTCCTGCGACGAGCGGCGAGCGA
877	877 GGAGCCCCACGCCTGGTGCAGTTGTGTGGCACCTACCTTCCTACAACCTGACCTTCCACT.CCTCCCA.GAACGTCCTGCTCATCACTGATAA 974
975	975 CCAACACTGAGCGGCGTTCCCGGCTTTGAGGCCACCTTCTTCCAGCTGCCTAGGATGAGCAGCTGTGGAGGCCGCTTACGTAAAGCCCAGGGGACATT 1074 
075	5 CAACAGCCCTACTACCCAGGCCACTACCCACCCAACATTGACTGCACATTGAGGTGCCCCAACAACCAGCATGTGAAGGTGAGCTTCAAATTC 1174 
175 982	TTCTACCTGCTGGAGCCCGGCGTGCCTGCGGGCACCTGCCCCAAGGACTACGTGGAGATCAATGGGGAGAAATACTGCGGAGAGAGGTCCCAGTTCGTCG 1274
275	275 TCACCAGCAACAACAACAAGATCACAGTTCCACTCAGATCAGTCCTACACCGACACCGGCTTCTTAGCTGAATACCTCCTACGACTCCAGTGA 1374

Fig. 12B

1375	
1182	
1475	'S AACTGCAGTTGCGACGCCGCCACCAGTTCACGTGCAAGAACAAGTTCTGCAAGCCCCTCTTCTGGGTCTGCGACAGTGTGAACGACTGCGGAGACAACA 1574
1281	AACTGCAGTTGCGACGCCGGCCACCAGTTCACGTGCAAGAGCAAGTTCTGCAAG
1575	GCGACGAGCAGGGGTGCAGTTGTCCGG.
1378	
1674	0 -
1478	
1774	0 -
1578	
1874	GGCACGGATGCGGATGAGGGCGAGTGGC
1678	
974	TGACAGAGGATTCAGGTACTCAGACCCCACGCAGT
1778	8 TGGTCTCTGCCGCACACTGCTACATCGATGACAGAGGATTCAGGTACTCAGACCCCACGCAGGACGGCCTTCCTGGGCTTGCACGACCAGAGCCAGCG 1875

Fig. 12C

2074	CAGCGCCCTGGGGTGCAGGAGCGCAGGC
.876	
174	2174 GAGAAACCGGCAGAGTACAGCTCCATGGTGCGGCCCATCTGCCTGC
974	GAGAAACCGGCAGAGTACAGCTCCATGGT
2274	· ·
2074	GACACCCCAGTATGGAGGCACTGGCGCGCTGATCCTGCAAAAGGTGAGATCCGCGTCATCAACCAGCCACCTGCGAGAACCTCCTGCCGCAGCAGAT 2173
2374	CACGCCGCGATGATGTGCGTGGGCTTCC
174	- 0
474	ATCTTCCAGGCCGGTGTGGTGAGCTGGGC
274	
574	574 AGAACACTGGGGTATAGGGGCCGGGGCCACCCAAATGTGTACACCTGCGGGGCCACCCATCGTCCACCCCAGTGTGCACGCCTGCAGGCTGGAGACT 2670
373	- R
671	671 GGACCGCTGACTGCACCACCCCCCAGAACATACACTGTGAACTCAATCTCCAGGGCTCCAAATCTGCCTAGAAACCTCTCGCTTCCTCAGCCTCCAA 2770
473	

Fig. 12D

1/1 AC	//l Asireascrissea.ssingaassessas.acarissinciacirearissacccaassiniisaasacacasscricccccssccassc 286
DL 698	869 TGGGCCGAGGCGCGTTTGTGTATATCTGCCTCCCTGTCTGT
  -   659 TC	
969 AT	969 ATCTGGGCTGTGGGGCCCTTTGGGCACGCTCTTGAGGAAGCCCAGGCTCGGAGAACCCTGGAAAACAGACGGGTCTGAGACTGAAATTGTTTTACCAGCT 3069
) ) ) ) )	069 CCCAGGGTGGACTTCAGTGTGTATTTGTGTAAAATGGGTAAAACAATTTTTTTT
	833 CCC 200
7)	

Fig. 12E